

Copenhagen | Tuesday 12 November 2019 |

*EEA ENI East team*

## SESSION 3

# Overview of project activities 2019-2020



# Contents

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- Progress on the air quality activity
- Progress on the biodiversity activity
- Progress on the land cover activity
- Progress on the water activity
- Integrated environmental assessment

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*Jasmina Bogdanovic*

# Progress on the air quality activity



# Air quality activity - summary

## Overall objective:

- To increase the use and public accessibility of AQ measurement data in the ENI East countries

## Specific objectives:

- To evaluate the status of AQ monitoring and use of data
- To identify good examples linking AQ data to policy evaluation
- To share EU/EEA examples on AQ monitoring and reporting

Implementation: EEA & Norwegian Institute for Air Research (NILU) & 4sfera in cooperation with national authorities

# Air quality activity – deliverables

- Draft country fact sheets on AQ monitoring & reporting
- Continuous updating of country fact sheets
- Development of graphic user interface (GUI) for RAVEN+ application
- Maintenance of the UTD/AQI at the EU UTD/AQI map
- Presentation of results in relevant strategic/air quality fora
- In the long-term, to make a linkage with other thematic areas (e.g. health)

## Country Fact Sheet - ARMENIA



Source: <https://en.wikipedia.org/wiki/Armenia>

### Country Air Quality Management

#### 1. Regulation on state monitoring rules of environment and natural resources

RA law on environmental policy ecological policy (in approval phase)

- RA NHO-121law (October 11, 1994) on "Atmospheric air preservation"
- The RA Government N50-3 protocol decree (December 15, 2016) on "Approving the concept of the law of the Republic of Armenia on atmospheric air preservation"
- RA NHO-56-Nlaw (March 1, 2017) on "Making amendments and supplements to the law of the Republic of Armenia on atmospheric air" (Official reference N19, 2017)
- The RA Government N1120-N decree (September 14, 2017) on "**Defining the composition of atmospheric emission standards and control methods**", "**Revoking the RA Government/**January 11, 2017/ N1120-N decree (Official reference N58, 2017)
- N160-N Decree (February 2, 2006) on "**Approving norms of maximum permissible**

## Country: Armenia

### Survey questionnaire on air quality management and monitoring

This survey has the purpose of exploring main information on the current ambient air quality activities and regulation in your country/institute and will cover the following points:

- legal framework for monitoring, processing, managing, reporting and disseminating air quality data;
- identification and role of main institutions at national, regional and/or local level;
- technical information on main monitoring networks: number of stations, micro and macro-siting, equipment used, pollutants monitored, measurement frequency, quality assurance, maintenance etc.;
- technical information on data collection: frequency, automation etc.;
- technical information on data processing: quality control procedures, databases etc.;
- technical information of existing data exchanges/transfers and dissemination to the public: content, format, frequency etc.

The questionnaire consists of two main sections, one related to governance/management input and one for related to technical input.

### Country level– air quality governance / management

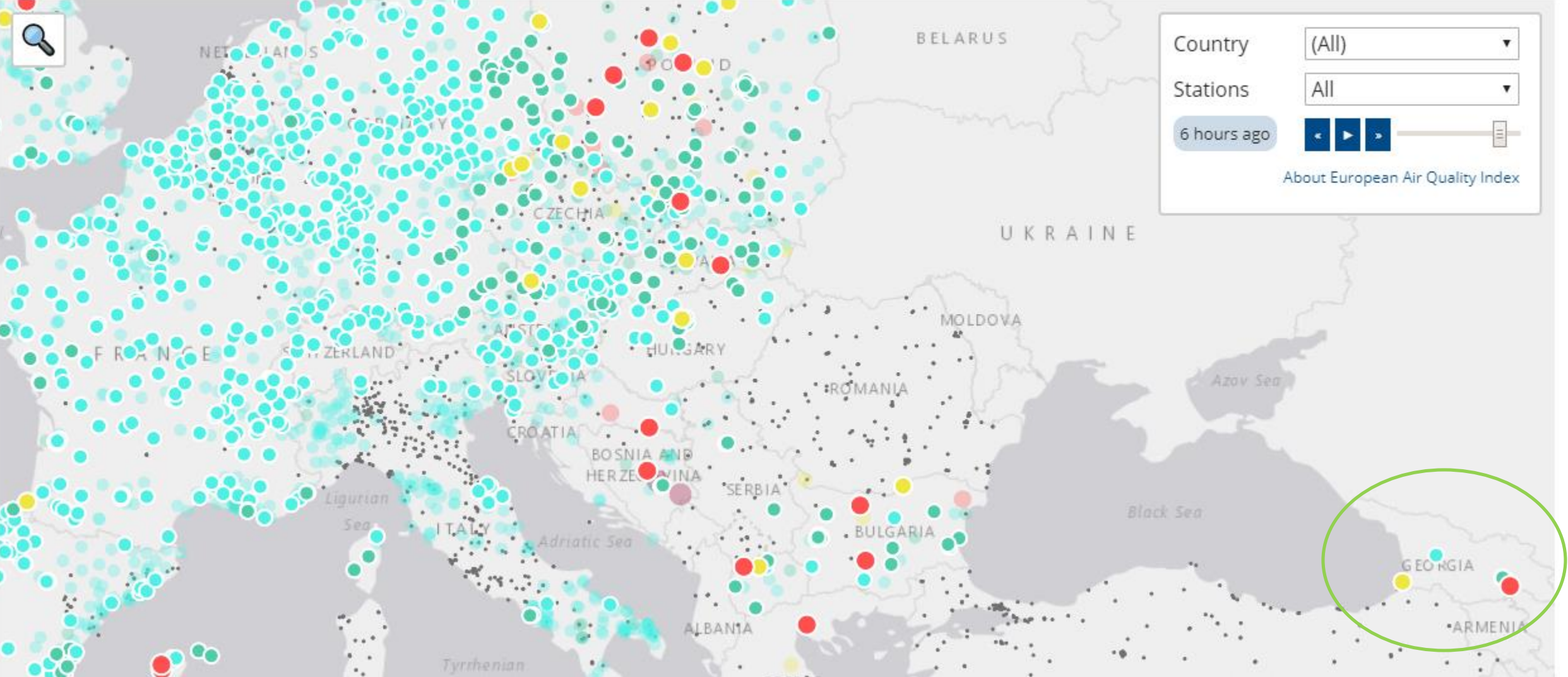
Regulation in your country		Please provide details
1	National guidance on Ambient Air Quality	RA law on environmental policy ecological policy (in approval phase)
2	National laws-regulations on Ambient Air Quality	<ul style="list-style-type: none"> <li>• RA NHO-121law (October 11, 1994) on "Atmospheric air preservation"</li> <li>• The RA Government N50-3 protocol decree (December 15, 2016) on "Approving the concept of the law of the Republic of Armenia on atmospheric air preservation"</li> </ul>





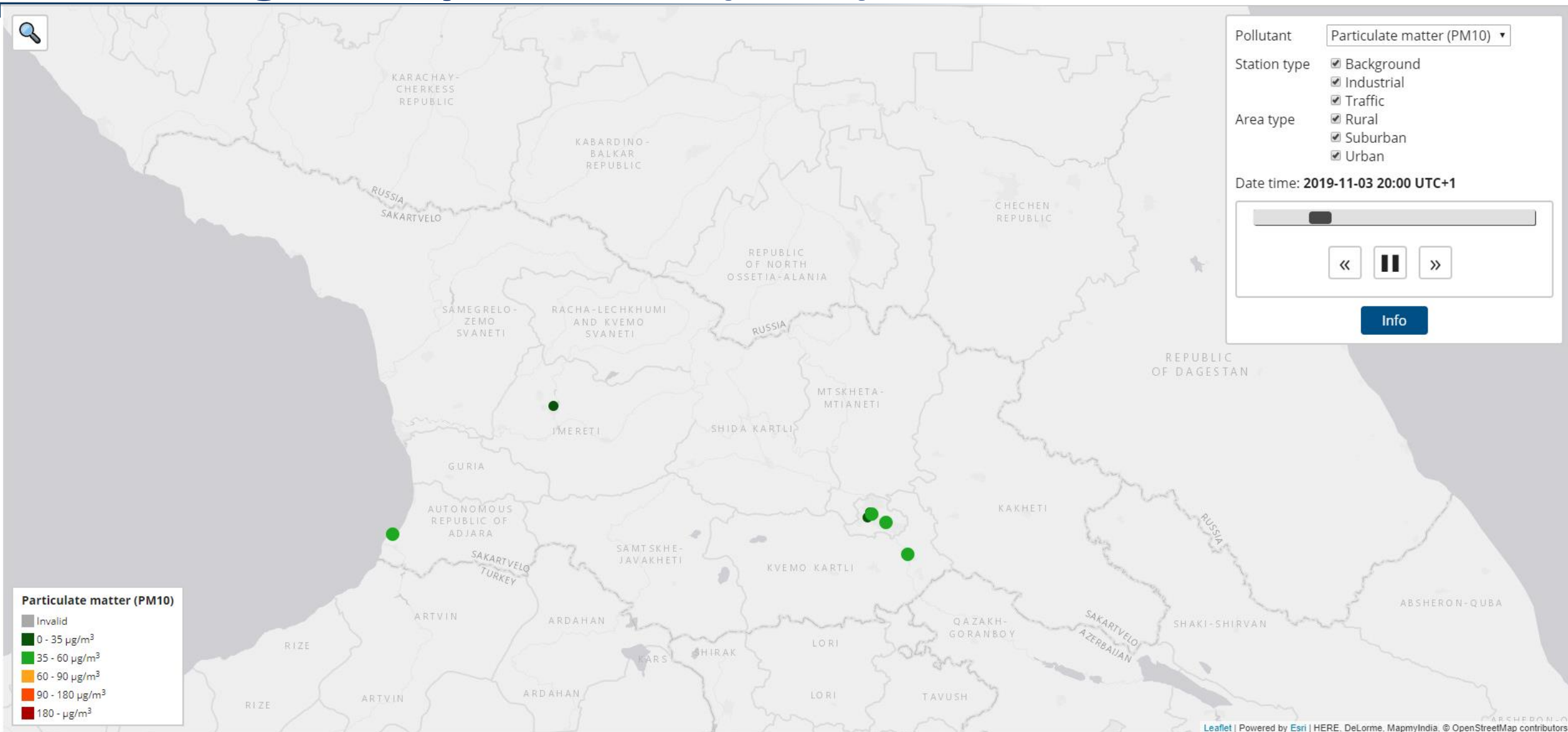
# European Air Quality Index

2019-11-04 05:00 UTC+1



<https://www.eea.europa.eu/themes/air/air-quality-index/index>

# Georgia – Up-to-date (UTD) data





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*Nihat Zai*

# Progress on the biodiversity activity



# Biodiversity activity - summary

## Overall objective:

- Support the improvements of biodiversity conservation in the ENI East countries

## Specific objectives:

- Provision of technical and financial support to undertake sufficiency assessment of proposed and candidate sites to the Emerald Network (Bern Convention)
- Share European knowledge and expertise to build the capacity for data harmonisation and reporting on habitats, species and internationally designated areas in line with the SEIS principles
- Support the development of the indicator on nationally designated protected areas as response to information needs for knowledge-based policy making (e.g. SDG 15.1.2 and CBD Aichi target 11)
- Implementation: EEA & European Topic Centre on Biological Diversity in cooperation with the Secretariat of the Bern Convention and National authorities

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*Nihat Zal*

# Progress on the water activity



# Water activity - summary

## Overall objective:

- Support the ENI East countries in the implementation of the SEIS principles in the area of water resources management

## Specific objectives:

- Provide technical and expert support in improving expert and institutional capacity for data harmonisation and information sharing
- Share European knowledge and expertise to develop water indicators as response to information needs for knowledge-based policy making (e.g. SDG 6)
- Provide technical and expert support in developing the water accounts in line with the UN SEEA Water (2012)
- Provide technical, financial and content support to development of the Water Information System in Georgia, Ecoportal in Armenia and Azerbaijan
- Implementation: EEA & European Topic Centre on Inland, Coastal and Marine Waters in cooperation with National authorities

# Water – remaining activities -indicators

YOU ARE HERE: > HOME > INDICATORS > INDICATORS SEARCH

## Indicators search

INDICATORS SEARCH

Search an indicator

**C3 – Total water use in the Republic of Azerbaijan**

Actual freshwater use by economic sectors in Azerbaijan increased by 7 % between 2000 and 2017. Water use by agriculture increased by 76.5 % during the same period.

On average, about 26 % of total freshwater abstraction is lost during transport. No significant improvement was observed in the efficiency of water transport between 2000 and 2017.

[Read more](#)

**C3 – Total water use in the Republic of Armenia**

Between 2000 and 2017, total freshwater use increased by 44.5 %. Agriculture, particularly irrigation and aquaculture, accounted for 86 % of total freshwater use in 2017.

On average, almost 30 % of freshwater abstraction is lost during transport. In 2017, 28.8 % was lost, indicating a slight decrease.

[Read more](#)

**C3 – Total water use in the Republic of Belarus**

As a result of efficiency measures, as well as influence of economic development, total freshwater use in Belarus is estimated to have substantially decreased by 55 % between 1990 and 2017.

Water loss during transport as well as other losses is relatively insignificant, and is on average 11 % of the total water supply. Nevertheless, due to the renewal and extension of the public water supply network, water losses have reduced from 15 % in 2010 to 10 % in 2017.

[Read more](#)

**C3 – Total water use in the Republic of Moldova**

On average, 100 million m<sup>3</sup> of freshwater is used annually in Moldova (including the territory on the left bank of the Nistru river) to meet the water demands of various economic sectors. Freshwater use had decreased by about 9 % in 2017 compared with 2000.

[Read more](#)

**C3 – Total water use in Georgia**

On average, around 70 % of the total freshwater is used by agriculture, with households using 20 %. Water use substantially increased (87 %) between 2001 and 2016.

Almost one third of the total freshwater is lost during transport from the point of abstraction to the point of supply. This requires urgent action to be taken to improve the water conveyance system.

[Read more](#)

FILTERS

Current search

Indicator code  
= C3

- Hide filters x Remove all

Country  
All

Indicator code  
C3

Theme  
All

Tags  
All (2) Azerbaijan (1) Belarus (1) Armenia (1) Georgia (1)  
[water exploitation index \(5\)](#)  
[water use \(5\)](#)

Published on

Start date  End date

## Indicators:

C10-C11 and D1 are under the publication process for all countries – by the end of November 2019)

Implementation: EEA & European Topic Centre on Inland, Coastal and Marine Waters in cooperation with National authorities

# Water – remaining activities - Information systems/portals

**Three systems are being implemented:**

- [EcoPortal of Armenia](#) (due January 2020)
- [EcoPortal of Azerbaijan](#) (due December 2019)
- [Water Information System of Georgia](#) (due December 2019)

**Products:**

- **Data dictionary and harmonised water quality dataset**
- **SQL database and data processing protocols**
- **Web portal**

# Water – remaining activities – Current state

Country	Product	Implementation steps					
		1. Planning and consultation	2. Conceptual design	3. First draft	4. Deployment on internal servers for testing	5. Finalisation and publishing	6. Demonstration and documentation
Armenia	Data dictionary and harmonised water quality dataset	DONE	DONE	DONE	DONE	DONE	PROGRESSING
	SQL database and data processing protocols	DONE	DONE	DONE	DONE	DONE	PROGRESSING
	Web portal	DONE	DONE	DONE	PROGRESSING	PROGRESSING	PROGRESSING
Azerbaijan	Data dictionary and harmonised water quality dataset	DONE	DONE	DONE	PROGRESSING	PROGRESSING	PROGRESSING
	SQL database and data processing protocols	DONE	DONE	DONE	PROGRESSING	PROGRESSING	PROGRESSING
	Web portal	DONE	DONE	PROGRESSING	PROGRESSING	PROGRESSING	PROGRESSING
Georgia	Data dictionary and harmonised water quality dataset	DONE	DONE	DONE	DONE	PROGRESSING	PROGRESSING
	SQL database and data processing protocols	DONE	DONE	DONE	DONE	PROGRESSING	PROGRESSING
	Web portal	DONE	DONE	DONE	PROGRESSING	PROGRESSING	PROGRESSING

National launch in AM, AZ and GE (Q1, 2020)



# Water – remaining activities – Regional water report

Implementation of the Shared Environmental Information System principles and practices  
in the Eastern Partnership countries (ENI SEIS II East)



## Water resources management in Eastern Europe and the Caucasus region- An indicator-based assessment

Version: v.1  
Date: 31 October 2019

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European Environment Agency





## Area 3

# Integrated assessment and environmental accounting

SDG 17 " Strengthen the means of implementation and revitalize the global partnership for sustainable development"



# Concept: Integrated Environmental Assessment and SEEA



## Report on SDG and SoE



### ***Institutional capacity development:***

1. Special trainings to sharing the EEA knowledge at the EEAcademy (DPSIR, MDIAK, SEEA, "Delfi", LCA, MFA..)
2. Sharing the Eionet knowledge on the SOER 2015/2020 (process and content) with SEA and EEA webinars

### ***Methodological capacity development***

1. Environmental accounting:
  1. 1. Assessment of progress in SEEA implementation (2017, 2018, 2019)
  1. 2. Vocational training sessions on SEEA (2017, 2018, 2019....)
2. Environment Statistics: UNECE JTFEIS/WGEMA/ EEA meetings in 2017-2020)

### ***Assessment of Assessments and Indicators :***

1. Availability and accessibility online ( EEA overview, 2017, 2018, 2019)
2. SEEA progress, ( EEA interviews 2017, 2019)
3. Efficiency and effectiveness for policy makers and the public (EEA study, mid October 2017)

Information and data Infrastructure development



Country commitment  
to make this happening



# Overview of remaining project activities in 2019-2020

Activites	I	II	III	IV	EEA	Partnership	Deliverable
<b><u>Activity 3.1: National training and expert assistance on SOER production, based on SEIS-compliant data</u></b>							
EEAcademy Summer School on Integrated Assessments and SOER 2020			June/ July		EEA	Eionet/PBL/tbc	event/experts
Community of practices, webinars					EEA	Eionet/PBL/tbc	event/experts
Expert assistance on SOER ( online)					EEA	EEA/SEA/tbc	report online
Azerbaijan							
Armenia							
Belarus							
Georgia							
Moldova							
Ukraine							
Thematic integrated environmental assesment on emerging issues					EEA	EEA/SEA/tbc	reports online
Regional environmental assessment in Eastern Partnership countries					EEA	EEA/SEA/tbc	report online
Regional workshop for regional environmental assesment					EEA	EEA/SEA/tbc	event/experts



# Overview of remaining project activities in 2019-2020

Activites	I	II	III	IV	EEA	Partnership	Deliverable
<b><u>Activity 3.2: Methodological support for production of indicator-based assessments</u></b>							
Overview availability of the UNECE environmental indicators and assessments online	March				EEA	NFPs and NAs	Information online
UNECE Environmental indicators reviewing process				October	EEA	UNECE	input
Participation in meetings of the UNECE Joint Task Force on environmental statistics and indicators				October October	EEA	UNECE	event/experts
Participation in meetings of the UNECE WGEMA		May			EEA	Eionet	event/experts
<b><i>Environmental accounting</i></b>							
Self-Assessment of environmental accounting progress online	March				EEA	UNECE	information online
Country fiche SEEA land					EEA	ETC/CIRAD/tbc	event/experts
Participation in the UNECE/OECD Seminar on SEEA	13-14 February				EEA	UNECE	event/experts



# Key recommendations/guidance to the partners

## Content of the Environmental assessment reports

1. More analytical, less descriptive
2. Timely and dynamic
3. Data quality
4. Sustainable governmental financing of environmental assessment and reporting

## Tools and innovation

1. Using of modern tools and methods for environmental assessments: environmental accounting, environmental modeling, GIS applications, scenario analysis and forecasting
2. Using the potential of modern electronic communication and information technologies for online reporting

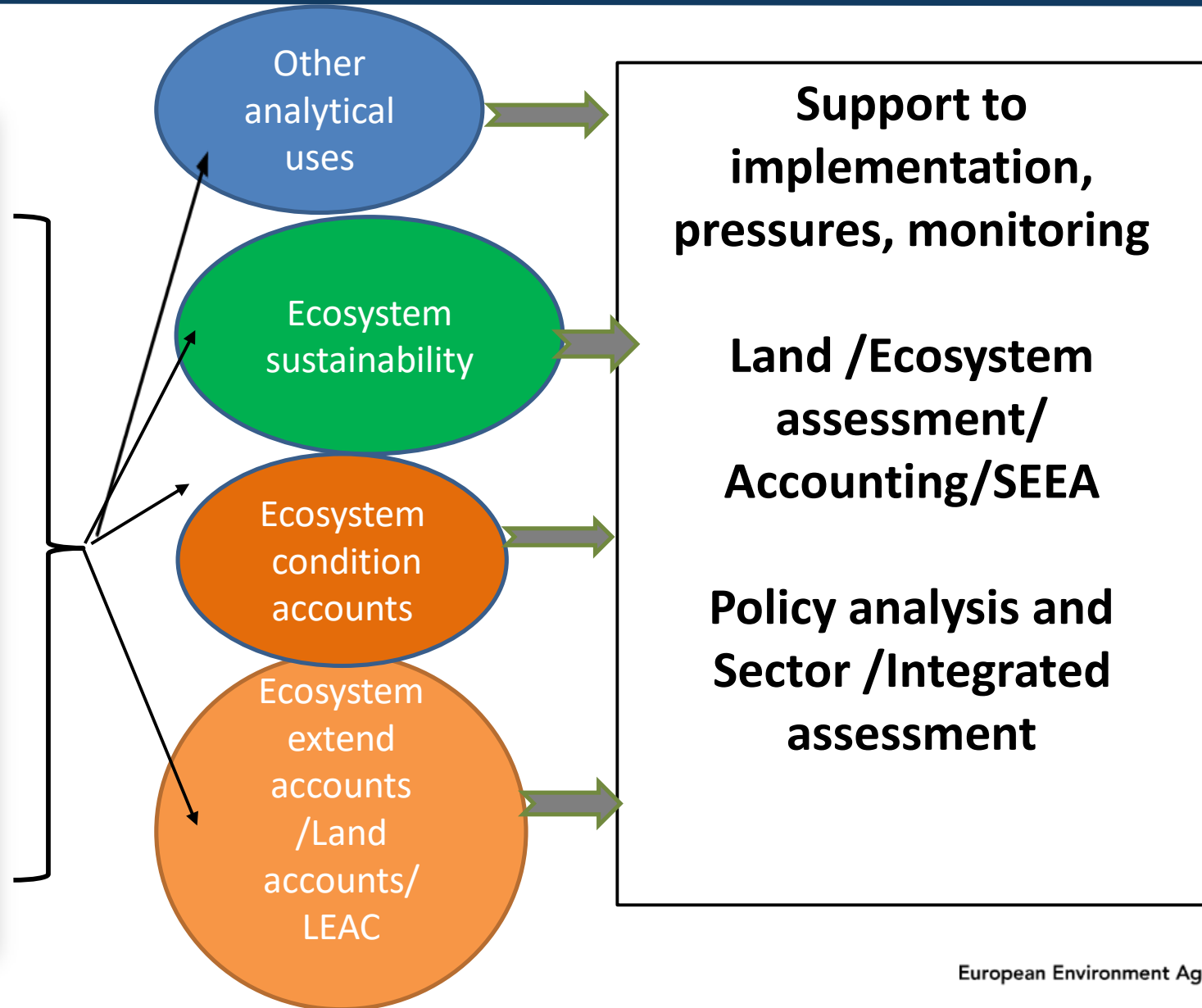
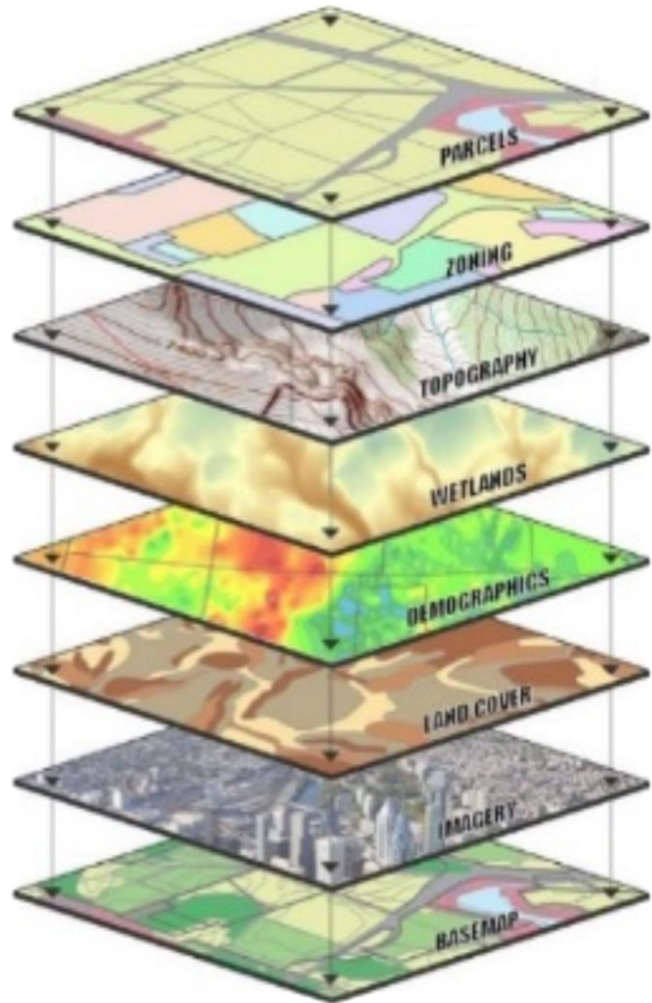
## Institutions and partnerships

1. Build analytical reporting and users capacities within governmental and external bodies
2. Partnership mechanism to support regular assessments and reporting via sharing EU best practices
4. Inform policy makers and public about cost and value added of environmental assessment reporting



# Building a geo-spatial platform for multiple uses together

## Geo-spatial platform



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# Thank you!

For more information:

<https://eni-seis.eionet.europa.eu/east>